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20. *Ueber Einige Neue Arten und Formen bei den Laub-und Lebermoosen*, in l. c., 61st year, pp. 204-225, 1884.
21. *Ueber Tuepfelbildung bei Laubmoosen*, in l. c., 62d year, p. 289, 1885.
22. *Ueber Porenbildung in der Stengelrinde von Sphagnum*, in l. c., 63d year, p. 199, 1886.
23. *Ueber Neue Buerger der Schlesischen Moosflora*, in l. c., 63d year, p. 214-5, 1886.
24. *Ueber Th. Guembel, Beitræge zur Entwicklungsgeschichte der Laubmoose*, in l. c., 65th year, p. 258, 1888.
25. *Ueber Neue Laubmoose*, in l. c., 68th year, p. 93, 1891.
26. *Drei Neue Laubmoose*, in l. c., 47th year, 5 pages, 1897.
27. *Zur Systematik der Torfmoose*. in "Botanisches Centralblatt, von Uhlworm," Cassel: First paper, Bd. VII, No. 36, pp. 411-319, 1881; Second paper, Bd. X, No. 6, 1882.
28. *Besprechung von W. Ph. Schimper's Synopsis Muscorum Europæorum*, in "Flora oder Regensburger Botanische Zeitung," 9 pages, 1876.
29. *Die Deutschen Sauteria Formen*, in l. c., No. 6, 4 pages, 1880.
30. *Ueber Gymnomitrium adustum, N. v. E.*, in l. c., No. 5, 7 pages, 1881.
31. *Ueber Eine Verschollene Jungermannia*, in l. c., No. 3, 4 pages, 1882.
32. *Neue Kritische Laubmoose*, in l. c., No. 13, 5 pages, 1882.
33. *Nekrolog auf Professor J. Milde*, in "Hedwigia von L. Rabenhorst," Dresden, bei Heinrich, No. 10, 4 pages, 1871.
34. *Ueber Leptotrichum sonatum*, in l. c., No. 12, 2 pages, 1872.
35. *Schlesische Lebermoose*, in l. c., No. 2, 3 pages, 1876.
36. *Auf der Schlesisch-maerkischen Grenze. Ein Bryologischer Beitrag*, in "Verhandlungen des Botanischen Verein's der Provinz Brandenburg," Bd. IX, No. 108-116, 1967.
37. *Reviews of the entire Moss Literature in the years 1875-8*, in "L. Just; Botanischer Jahresbericht," Berlin, bei Bornträger, Bd. VI, 1876-1881.
38. *Ueber Laub-und Lebermoose* in "den Berichten der Deutscher Botanischen Gesellschaft," Bd. III, Heft II, 1881. (Also a review).

These constitute the numerous bryological writings of Limpricht. He explored personally the Mossflora of Silesia (Riesengebirge), of the Karpapthen (Tatra), and the Islands of Bornholm. It is strange that the *Revue Bryologique* failed to give a hint as to the richness of this author's productiveness, which led me to suppose that he published little, concentrating all his energies in his *Laubmoose*. It is true, however, that most, if not all of his productions antedate his labor on his monumental work.

Winona, Dec. 15th, 1902.

## THE MOSSES OF ALASKA.

BY J. CARDOT AND I. THERIOT.

This is No. XXIX. of the "Papers from the Harriman Alaska Expedition." It is published in the "Proceedings of the Washington Academy of

Science," Vol. IV., pp. 294-374, July 31st, 1902. The eleven plates illustrating the new species are executed by M. Theriot, in this author's excellent and painstaking style and show microscopic details with accuracy. The list of 280 species of Alaskan mosses enumerated here includes, besides the Harriman collection, previous collections as follows: that of W. H. Dall, in 1867; of the Krause brothers, in 1882; of W. G. Wright, in 1891; of James M. Macoun, 1891-2; of B. W. Evermann, in 1892; of C. H. Townsend, in 1893-1895 (Expedition of the U. S. S. *Albatross*); of W. M. Canby, in 1897; of W. H. Evans, in 1897; of W. A. Setchell, in 1899; and of F. C. Schrader, in 1899. Of these, 124 are new to Alaska, and 46 are new to science. Of the latter 29 are new species, and 17, new varieties.

The new species and varieties will be described in successive numbers of THE BRYOLOGIST as space permits. Three new combinations are made. First, *Trichostomum affine* Schleich., which in Bryol. Eur. stands as a synonym for *Rhacomitrium heterostichum alopecurum* B. S., is written *Rhacomitrium heterostichum affine* (Schleich) C. & Th. Then, *Atrichum Lescurii* James, which Mr. E. S. Salmon had placed under *Lyellia*, the authors place under *Bartramioopsis Lescurii* (James) C. & Th. not Kindb. Also *Pogonatum Macounii* Kindb., becomes *Pogonatum alpinum Macounii* C. & Th.

A number of species are accompanied by critical notes recording the authors' judgment. Thus *Mnium nudum* Williams, for reasons stated, is considered rather a subspecies of *Mnium punctatum*. *Psilopilum Tschutschicum*, discussed under *P. arcticum* Brid., is discredited as a good species. On this point there appears to the writer ground for difference of judgment. (See THE BRYOLOGIST, September, 1902.) Incidentally it may also be noted that the authors have preferred to retain the name *Psilopilum arcticum* in place of the revised name. *Polytrichum Yukonense* C. & Th. is under suspicion of being only a form of *P. Jensenii* Hagen, most of the differentiating characters given being variable in the typical *P. Jensenii*. *Pseudoleskea stenophylla* Ren. & Card., for which Dr. Best in his Revision of this genus had substituted *P. rigescens* (Wils.) Lindb., is restored, Dr. Best's substitution being shown as untenable. Likewise *Brachythecium Novæ-Angliæ* Jaeg. & Sauerb. is restored, the character on which it was recently erected into the new genus *Bryhnia*, the *papillose leaves*, having proved to be variable.

There is a short postscript of three notes. The first of these refers to Mr. R. S. Williams' Catalogue of the Bryophytes of the Yukon, which was published in 1901 in the Bulletin of the New York Botanical Garden and which contains 115 species not listed in the present paper. This brings the number of species of mosses now known from Alaska and the Bering Sea Islands up to about 350, not considering a large number of doubtful species mentioned in passing by the authors.

JOHN M. HOLZINGER.